Natural Resources Canada
Ressources naturelles Canada

Emerging Renewable Power Program

Applicant Guide

Canada

Table of Contents

1. Introduction to the Emerging Renewable Power Program 1
2. Who can apply 1
3. What does "Emerging" mean in the context of this program 1
4. What type of projects are eligible for funding? 1
5. How to apply 2
6. Definitions 2
7. Program Objectives 3
8. Expected Results 3
9. Eligible Recipients 3
10. Eligible Projects 4
11. Eligible Technologies 4
12. Eligible Expenditures 4
13. Ineligible Expenditures 5
14. Repayable Contributions 5
15. Duration and Funding Limits 6
16. Basis and Timing of Payments 6
17. Stacking of Assistance 6
18. Application Process 7
19. Project Application Form and Annexes 7
20. Evaluation Criteria 7
21. Due Diligence Phase 9
22. Contribution Agreement Negotiation 10
23. Program Inquiries 10
24. Other Terms and Conditions 10
25. Miscellaneous Conditions 12
26. Confidentiality and Security Information 12

Schedule A: Completing the Project Application Form 13

Schedule B: Life Cycle Electricity Costs (Sample 18

1. Introduction to the Emerging Renewable Power Program

Natural Resources Canada is offering funding for power projects using emerging renewable electricity technologies that have been widely deployed abroad but have yet to gain a foothold in Canada, or that have been successfully demonstrated in Canada and are now ready for commercial deployment. This $200 million program seeks to reduce barriers that have prevented commercial deployment of these emerging technologies while increasing Canada's renewable electrical energy capacity from emerging renewable energy technologies.

2. Who can apply?

Funding is available to Canadian companies or organizations, provincial and municipal governments, and Indigenous recipients. Please refer to Section 9 for a complete list of eligible recipients.

3. What does "Emerging" mean in the context of this program?

The program defines emerging renewable power projects as projects that will use technologies that:

- Have been successfully deployed at the utility scale in other countries but not yet in Canada; or
- Have been successfully demonstrated in Canada but not yet commercially deployed. A successful demonstration will be assessed on the basis of project evaluations and final assessment reports.

4. What type of projects are eligible for funding?

The following table outlines the types of technologies and projects that are eligible and not eligible.

ELIGIBLE		NOT ELIGIBLE
- Offshore Wind - Geothermal - Instream tidal - Concentrated photovoltaic - Other (must meet the definition of an emerging technology)		- Renewable technologies that have already been commercially deployed such as: - Onshore wind energy, conventional photovoltaic, small hydro, & landfill gas - Renewable heating projects - Demonstration projects - Energy storage projects - Renewable fuel production projects - Residential and building integrated renewable energy projects - Non-organic waste to power

5. How to Apply

Applicants are strongly encouraged to read the Applicant Guide in its entirety before completing the Project Application Form. Applicants must complete the Project Application Form and provide the requested Annex documents no later than **April 20, 2018**.

Disclaimer

NRCan reserves the right to alter or cancel any call for project applications, funding amounts and/or deadlines associated with any program or to cancel the process at its sole discretion. Any changes will be communicated to registered applicants via email.

Any costs incurred for the submission of a project application are at the applicant's own risk. In all cases, any funding under any submission, review and assessment process will be contingent on the execution of a contribution agreement

Until a written contribution agreement is signed by both parties, no commitment or obligation exists on the part of NRCan to make a financial contribution to any project, including any expenditure incurred or paid prior to the signing of such a contribution agreement.

6. Definitions

"Contribution" means funding provided by Canada under the contribution agreement toward Eligible Expenditures.

"Due Diligence Start Date" means the date on which the applicant was notified that it succeeded to the due diligence phase.

"Eligible Expenditure Period" means the period starting on the later of the date on which the Proponent was notified that it passed a due diligence assessment, or April 1 of the fiscal year in which the contribution agreement is signed and ending on the earlier of the Project Completion Date or the program end date of March 31, 2023.

"Eligible Expenditures" means those costs incurred within the Eligible Expenditure Period, either directly by the Proponent or through a third party, which are cash disbursements made with respect to the Eligible Expenditures set out in Section 12 and identified in the project application.

"Profit" means in relation to the Project, net operating profit as determined by Generally Accepted Accounting Principles (GAAP).

"Project" refers to the applicant's project identified in the application, as submitted to NRCan.

"Project Completion Date" means the date of commissioning or March 31, 2023, whichever is sooner.

"Proponent" refers to a successful applicant that has entered into a contribution agreement with NRCan.

"Stacking" means the maximum limit of total Canadian government funding that is permitted under a contribution agreement for a project. Canadian government funding refers to funding from federal, provincial, territorial, and municipal governments for that activity.

"Total Project Costs" means the Contribution and other verifiable contributions either received or contributed by the Proponent from the Due Diligence Start Date to the Project Completion Date and directly attributable to the Project.

7. Program Objectives

As part of the Government of Canada's plan for clean growth and climate change, the Emerging Renewable Power Program seeks to support the deployment of emerging renewable power projects by de-risking upfront capital investments. Long-term, this program will help expand the portfolio of commercially viable, investment-ready, emerging renewable energy technologies available to reduce emissions in Canada's electricity sector, and support the development of new supply chains.

8. Expected Results

The program expected results include, as a minimum, the following:

a. Increase in deployment of emerging renewable power projects in Canada;
b. Reduced barriers to deployment of emerging renewable power projects in Canada;
c. Increase in renewable energy capacity from emerging sources in Canada;
d. Create environmental benefits, including greenhouse gas (GHG) reductions;
e. Increase in renewable technology supply chains in Canada; and
f. Increase in awareness and understanding of regional energy resources and impacts from renewable energy projects.

9. Eligible Recipients

Eligible recipients may include:

a. Legal entities validly registered in Canada, including: for-profit and not-for-profit organizations, such as electricity and gas utilities, gas utilities, system operators, transmission owners and operators, local distribution companies, industry associations, research associations, regional and community development corporations;

b. Provincial, territorial, regional and municipal governments and their departments and agencies where applicable; or
c. Indigenous communities or governments, tribal councils or entities that fulfil a similar function (e.g., general council); national and regional Indigenous councils, tribal organizations; and, Indigenous (majority owned and controlled by Indigenous Peoples) for-profit and not-for-profit organizations.

10. Eligible Projects

Eligible projects must:

a. Be technologically proven, emerging renewable electrical power generating projects that are comprised of eligible technologies (see Section 11);
b. Have a minimum net capacity of at least 4 megawatts (1 megawatt capacity for projects that fall under the category of "Other" technologies defined in Section 11); and
c. Produce electricity intended for sale or use in Canada, and be built in Canada.

If the proposed Project has more than one project phase, you must submit a separate application form for each of the project phases.

11. Eligible Technologies

Eligible Technologies include:

a. Offshore wind;
b. Geothermal;
c. Instream tidal;
d. Concentrated photovoltaic; or
e. Other (e.g. wave, river current, next generation biomass. Must meet the program definition of emerging renewable power).

12. Eligible Expenditures

Eligible Expenditures for an approved Project under the program must be directly related to, and necessary for, the implementation and conduct of a Project, and may include:

- Salaries and benefits for employees on the payroll of the Proponent for the actual time spent by the employees on the Project
- Professional, scientific, technical and contracting services
- Travel expenditures, including meals and accommodation, based on National Joint Council rates
- Capital expenditures such as the purchase, installation, testing and commissioning of qualifying equipment, materials and products, including diagnostic and testing tools and instruments

- Overhead expenditures provided that they are directly related to the conduct of the Project and can be attributed to it. Overhead expenditures can be included in the Total Project Costs up to a maximum of 15% of Eligible Expenditures. Overhead expenditures include:
    - Routine field equipment maintenance
    - Office operating expenses directly related to the conduct of the Project (e.g. faxes, telephone, photocopies)
- Other expenses include:
    - Field supplies, and materials
    - Expenses related to project site exploration
    - Printing services and translation
    - Data collection services, including processing, analysis and management
    - Licence fees and permits
    - Field testing services
- GST, PST or HST, net of any tax rebate to which the Proponent is entitled

13. Ineligible Expenditures

The program will not reimburse costs related to:

- Collaborations with federal laboratories;
- The reimbursable portion of Federal and Provincial Taxes; or,
- In-kind costs.[1]

However, these costs may be considered towards the Proponent's portion of the Total Project Costs.

The program will not reimburse any portion of the following costs, nor will it consider the following costs towards Total Project Costs:

- Land acquisition costs;
- Legal costs;
- Project Application preparation costs;
- Costs related to energy storage or heating components of a Project;
- All costs associated with the protection of intellectual property; and
- Costs incurred before the proposal approval notification date, or after the Project Completion Date.

14. Repayable Contributions

Projects with signed contribution agreements will be monitored for 5 years following the date of the Project commissioning to determine the amount to be repaid to Canada. Within this time period, if Profit is generated, the Proponent will be required to repay the funds

[1] In-kind contributions from the Proponent will be accepted on a case-by-case basis to count towards the Proponent's portion of Total Project Costs. In-kind support must be verifiable, directly support the Project, and fall into the same cost categories as identified for Eligible Expenditures.

based on: Profit multiplied by the proportion of NRCan funding of Total Project Costs, up to a limit of the amount of NRCan's Contribution. The requirements that may trigger repayments will be set out in the contribution agreement, along with the process for repayment.

15. Duration and Funding Limits

Funding for the program is available for projects between April 1, 2018 and March 31, 2023.

Maximum amount payable
Applicants may request up to 50% of their total project expenditures, to a maximum of $50 million.[2]

16. Basis and Timing of Payments

Contribution agreements will set out the required terms for payment, made upon receipt of proper documentation as defined in the contribution agreement.

Final payment will not be made until all Project activities have been completed by the Proponent and are deemed acceptable to NRCan. To ensure proper oversight, a percentage of the contribution agreement will be withheld until all the conditions of the contribution agreement have been met. The percentage withheld will be determined based on the risk level of the Project. The conditions to release the holdback will be stated in the contribution agreement.

17. Stacking of Assistance

Prior to signing a contribution agreement, the Proponent will be required to disclose all anticipated funding sources (Canadian and non-Canadian) of funding for the Project, including approved in-kind funding clearly identifying contributions from other Canadian government sources (federal, provincial/territorial, and municipal).

The maximum level of total Canadian government funding authorized under this program will be 75% of Eligible Project Costs. In cases where the Proponent is a provincial, territorial, municipal government or their departments and agencies, or an Indigenous Recipient, the total Canadian government funding authorized shall not exceed 100% of Total Eligible Project Costs.

The Stacking limit must be respected when assistance is provided. In the event that actual total government assistance to a Proponent exceeds the Eligible Expenditures, NRCan will adjust its level of funding (and seek reimbursement if necessary) so that the Stacking limit is not exceeded.

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[2] For projects seeking funding in excess of $50 Million, the Program will need to seek approval from Treasury Board

Upon completion of the Project, the Proponent will be required to disclose all sources of funding on individual Projects, including contributions from other federal, provincial/territorial, municipal and industry sources. Funding in excess of the stacking of assistance limit will be subject to recovery.

18. Application Process

The application process is competitive and will include the following stages:

a. The submission of the Project Application Form and Annexes;
b. An initial screening based on eligibility;
c. For those applications that pass the initial screening, the proposed projects will be evaluated by a panel of experts using the evaluation criteria per Section 20;
d. The applicants with the projects that are expected to have the most results per Section 8 will proceed to a due diligence phase; and,
e. For those that pass the due diligence phase, the offer to negotiate a contribution agreement will occur.

In order to meet the program financial obligations, some applications may move through the due diligence process and be approved to negotiate a contribution agreement before others.

19. Project Application Form and Annexes

Applicants are required to complete and submit the Project Application Form (Excel file included with the Applicant's package) and provide the documents requested in the Annexes. More information on each section of the Project Application Form is available in Schedule A.

All applications must be received no later than 11:59pm EST on April 20, 2018. Applications received after this date will not be considered.

NRCan recognizes that e-mail is not a secure means of communication, and NRCan cannot guarantee the security of confidential information sent via email while it is in transit. The Emerging Renewable Power Program will send you a confirmation email when the entire Project Application Form has been received.

Depending on the availability of funds, the program may launch another project application process at a later date.

20. Evaluation Criteria

The project applications will undergo an initial screening process based on eligibility followed by a rated review.

The table below shows how Projects will be evaluated:

Mandatory Criteria	
Criteria	*Indicator*
Eligible Recipient	Legal entity validly registered in Canada, provincial, territorial government, or Indigenous.
Project Location	Project must be located in Canada.
Electricity Production for Sale or Use in Canada	Project intends to sell or use electricity in Canada.
Eligible Project Technology	Applicant is proposing an emerging renewable electricity generating technology: - Offshore wind - Instream tidal - Geothermal - Concentrated PV - Other (must meet definition of an emerging technology)
Minimum Project Size	Applicant is proposing a Project that meets the minimum 4 MW net capacity (1 MW if Other).
Project Application Completeness	Applicant provided a complete Project Application Form and all required documents in annexes.

Rated Criteria	
Criteria	*Indicator*
Cost of Project to the Program	Applicant can request up to 50% of the Total Eligible Project Costs. Preference will be given to projects that require less ERPP funding per MW of net capacity.
Life Cycle Energy Costs of the Project	Preference will be given to projects that show the total Life Cycle Electricity Cost (LCEC) of the Project. Simple LCEC calculation will use Total Project Costs (capital and operational costs, as per table provided in Schedule B) divided by expected annual production times expected lifetime of the Project.
Project Size	Applicant is proposing a large-scale Project for commercial deployment. Preference will be given to projects with a higher net capacity.
Greenhouse Gas (GHG) Reductions	Preference will be given to projects that expect to achieve greater greenhouse gas (GHG) reductions.
Socio-economic Benefits including Jobs	Applicant has identified the number of jobs to be created by the Project as well as other socio-economic benefits from the Project.
Indigenous Involvement	The Applicant must identify any Indigenous involvement in the Project to date. Preference will be given to projects with a higher degree of Indigenous involvement.

Expected Commissioning Date	Applicant has an expected commissioning date. Preference will be given to projects with earlier expected commissioning dates. Program will evaluate the likelihood of projects meeting their expected commissioning dates based on documentation provided in the application.
Project Design and Proposed Work Plan	Applicant's Project is well-designed and applicant has provided a thorough proposed work plan.
Permits	Applicants must provide list of federal, provincial and municipal permits required for the Project and the status of each one.
Impact Statement or Federal Environmental Assessment	Projects may require an Impact Statement or a Federal Environmental Assessment.
Community Involvement	Applicants to provide letters of support from local community if available and outline any community engagement taken place to date.
Project Risks	Consideration and mitigation of key project risks.
Expected Energy Resource	Applicant has a clear understanding of the expected energy resource and has explained calculations in Section A5. Preference will be given to projects that have completed resource assessments.
Project Team Experience	Applicant's Project Team has extensive experience in the electricity generation sector.
Financial Plan of Applicant	Applicant has provided a clear financial plan and that they have capacity to carry out the Project.
Power Purchase Agreement (or Power Pool) Plan	Applicant must identify the expected purchaser of the electricity from the Project. Preference will be given to projects based on how close they are to securing a Power Purchase Agreement or contract, or how clearly they demonstrate the electricity will be used for self-use.
Proponent Financial Contribution	Proponent has included financial contribution to the Project. Preference will be given to projects in which the proponent has included a higher financial contribution.
Ineligible Project Components	Although the costs of energy storage or heating components related to a Project are ineligible for program funding, preference may be given to proposed projects that included these components.

21. Due Diligence Phase

Successful applicants will be notified by email that they will proceed to the due diligence phase. The applicants must then confirm to undergo the due diligence process, which will include an evaluation of the Project's financial and technical risk. All applicants undergoing

due diligence may be requested to provide additional information to support the final selection decisions.

Following the due diligence phase, applicants will be informed whether the Project has been approved or not for funding. They will then be invited to begin negotiating a contribution agreement.

22. Contribution Agreement Negotiation

Any funding provided by NRCan is subject to there being a signed contribution agreement by both parties. Until a written contribution agreement is signed, no commitment or obligation exists on the part of NRCan to make a financial contribution to any project, including any expenditure incurred or paid prior to the signing of such contribution agreement.

More information on NRCan contribution agreements will be made available to successful applicants following the Project Application evaluation results notification.

23. Program Inquiries

In order to ensure that all applicants have access to the same information and there is a written response to every question, all questions and answers will be sent and received via the program email: nrcan.erpp-pere.rncan@canada.ca. Recurring questions or those that may be useful to other applicants will be posted on the program's website in a "Frequently Asked Questions" section.

24. Other Terms and Conditions

The following section describes the other general terms and conditions of the program

Regulatory and Legal Requirements

Leading up to commissioning, Projects supported through the program will be required to complete various assessments, obtain necessary permits, and will be subject to relevant federal and provincial laws and acts. Proponents will be expected to fulfil all federal and provincial regulatory and legal requirements applicable to their Projects, or program funding may be withheld.

Federal lands

Under Section 67 of the CEAA 2012, NRCan is required to assess whether projects carried out on Federal Land intended for funding are likely to cause significant adverse environmental effects. If so, an environmental assessment may be required. Identify which portion(s) of the Project (if any) will be carried out on federal lands, and the specific activities (including but not limited to site preparation, construction, installation, modification, operation, decommissioning or abandonment) that will occur at those sites.

Indigenous Consultation

NRCan has a duty to consult with Indigenous groups when a contemplated Crown conduct, such as the provision of funding or the issuance of permits, may have adverse impact on existing or potential Aboriginal or Treaty rights. In order to assess Consultation requirements, and using the Aboriginal and Treaty Rights Information System, identify the Indigenous groups that may be impacted by your Project.

Audits and Evaluation

Proponents may be audited once or several times either during the course of the contribution agreement period or after the completion of that period. Auditors may call and potentially visit each Proponent on-site at the beginning of the Project to explain the auditing process, and to review Project financial controls. The program will also be evaluated (for effectiveness, efficiency) and Proponents may be asked to provide input to the evaluators for this purpose.

Reporting Requirements

The reporting requirements of a contribution agreement for the Proponents are listed below. The program will provide templates for each of the reports.

Quarterly reporting

Quarterly expense claim:
Proponents will provide expense reports to NRCan on a quarterly basis that include a statement of eligible costs incurred, and eligible costs expected in the next quarter. Projects that do not yet have a Power Purchase Agreement, or other contract, in place for their electricity will only receive a portion of their total eligible expenses until NRCan is satisfied that the Proponent has secured a buyer for the electricity (unless electricity generated is for self-use).

Quarterly project update:
Proponents will provide a quarterly project update including milestones completed and expected in the next quarter, the status of a Power Purchase Agreement (if applicable), and information about any project related issues.

Annual Reporting

The Proponent will provide a report to summarize activities during the year together with key performance indicators to demonstrate that the Project construction is on schedule.

Commissioning Report

The Proponent will provide a report indicating the date of commission and any update related to the metering or interconnection plans.

End of the Project (2 years post-commissioning/ Holdback release)

Two years after the commissioning date, the Proponent must submit a report to the program indicating the electricity generation achieved from the Project in GWh. In order to release the holdback from each expense claim, the Proponent must achieve a minimum average of 50% their expected capacity factor over the two-year period starting from the date of Project commissioning.

Repayment Reporting

Each year for five years following the anniversary of the commissioning date of the Project, the Proponent must submit to NRCan a report detailing the revenues generated from the Project.

Intellectual Property

All intellectual Property that arises in the course of a Project shall vest in, or be licenced to, the Proponent. The Proponent will grant to Canada a non-exclusive, irrevocable, worldwide, royalty-free license in perpetuity to use the data and information contained in reports and modify such reports and documents for non-commercial governmental purposes.

25. Miscellaneous Conditions

- No member of the House of Commons shall be admitted to any share or part of the contribution agreements, or any resulting benefit.
- The Proponent will comply with the *Conflict of Interest Act*, and the *Conflict of Interest and Post-Employment Code for Public Office Holders*.
- Funding may be cancelled or reduced in the event that departmental funding levels are reduced by Parliament.
- Proponents will be required to acknowledge the financial support of Canada in all public information produced as part of the Project.
- As part of the Project monitoring requirements, NRCan will have the right to visit and inspect all Project sites, upon providing a reasonable notice to Proponents.

26. Confidentiality and Security of Information

Paragraph 20(1) of the *Access to Information Act* prohibits a government institution, including NRCan, from disclosing in response to an Access to Information inquiry, any information – financial, commercial, scientific or technical – supplied by an applicant to NRCan so long as the applicant treats the information as confidential in its own establishment.

Accordingly, NRCan will protect the applicant's confidential information in its possession to the same extent as the applicant protects said confidential information in its own establishment: if the applicant chooses to send the application or other confidential information to NRCan by e-mail, NRCan will be respond to the application by e-mail. Similarly if the applicant's correspondence is through regular mail, NRCan's response will be in like manner. However, in all cases, NRCan will use e-mail correspondence.

SCHEDULE A

Completing the Project Application Form

The completed Project Application Form must be submitted by email both as an Excel file, and as a signed PDF. The Annexes must be submitted as well however if the attachments are too large (in excess of 9 MB), you can send them by **registered mail.** The email and mailing address are as follows:

Email: nrcan.erpp-pere.rncan@canada.ca

Emerging Renewable Power Program
Renewable and Electrical Energy Division
Natural Resources Canada
580 Booth St, Room 12-A7
Ottawa, Ontario
K1A 0E4

All applications must be received no later than 11:59pm EST on April 20, 2018. Applications received after this date will not be considered.

Project Application Form

Please fill out the Project Application Form by entering the requested information into the allocated fields. Do not alter the Project Application Form. If you encounter an error in the Project Application Form or are experiencing incompatibility issues, please notify the program staff by email as soon as possible.

1. Information about the Proponent

1.1 Enter the Legal name of the Proponent including mailing address and business registration number. Proponent must be a registered entity in Canada.

1.2 Enter the name of the Project Manager (or Lead) along with their coordinates including years of experience with renewable power generation projects. If the Project Manager works for an entity other than the Proponent name, enter their company name and address. The Project Manager will be the lead contact for on-going communication regarding the Project. In the spreadsheet tab marked "Extra Contacts", enter any other contacts as required.

1.3 List all owners of the proposed Project and the percentage of ownership.

2. Information about the proposed project

2.1 Enter the name of the Project. If the Project has multiple phases, you must submit a separate application for each phase.

2.2 From the drop down menu, select the technology to be used in the Project. If "Other", define the technology and the energy resource.

2.3 Enter the Project location and if known, the latitude and longitude of the expected point of interconnection. If the Project is on federal lands, select "yes" in the appropriate box.

2.4 Enter the net capacity and the nameplate capacity of the Project in MW.

2.5 Enter the expected average annual electricity generation in GWh/year and the expected capacity factor.

2.6 Enter the expected construction start date and the expected commissioning date for the Project.

3. Information about the expected energy resource

3.1 Enter information about the expected energy resource. Based on the technology chosen, in Section 2.2, specific resource measurements are requested.

4. Expected benefits from the Project

4.1 Enter the expected number of jobs created as a result of the Project.

4.2 Enter other socio-economic benefits created as a result of the Project.

4.3 Enter the Expected Annual GHG emissions reductions per year, over the lifetime of the Project and the expected lifetime in years. (see A6 for details on calculating GHG emissions).

5. Project financial information

5.1 Enter Total Expected Project Costs for the period of April 1, 2018 to March 31, 2023 in $CDN. Enter the amount of funding sought from the Emerging Renewable Power Program in $CDN. Enter the amount of funding the applicant will be putting into the Project in $CDN. If there are other private funding sources, enter their funding amount in $CDN. Enter the amount of confirmed other Government funding including federal, provincial and municipal funds in $CDN.

5.2 Enter the current status of the Power Purchase Agreement.

5.3 Enter the name of the expected purchaser of the electricity, the length of the contract and annual electricity production level as per the contract.

5.4 Enter the expected price of the electricity sold to the power purchaser (provide an estimate if selling to a power pool). Indicate whether or not the price is fixed or variable.

6 Indigenous involvement in the Project

6.1 If a portion of the Project is owned by an Indigenous group, please indicate the percentage of ownership.

6.2 Does the applicant have letters of support from Indigenous communities? Answer yes or no from the drop down menu.

6.3 Has the applicant done any Indigenous consultation as part of the proposed Project? Answer yes or no from the drop down menu.

6.4 Does the applicant have a list of Indigenous communities that should be consulted? Answer yes or no from the drop down menu.

7 Supporting documents

Annexes A1 to A21 must be provided separately from the Project Application Form. Where the applicant is unable to provide the information requested in one of the Annexes, a brief description of why the information is not available or applicable is an acceptable response.

A1
Provide information about the Proponent and the development team's experience in the electric power plant sector. Provide relevant experience in the technology or similar applications. Please limit to two pages.

A2
Provide a brief description of the Project and the technology to be used. Include information on Project size in MW, the location of the Project, the Project owners and the benefits arising from the Project (excluding GHG emissions reductions) such as jobs, heat, food security, energy security, etc. Please limit to two pages.

A3
Provide an area map of the Project site including longitude and latitude, and show the location of the main elements of the Project such as turbines and interconnection. If the proposed Project is geothermal, please provide us with a map of the energy resource basin.

A4
Provide evidence of access rights to the required land for the Project. Include copies of lease agreements, license agreements and/or easement agreements. If land access is still in negotiation, provide most recent correspondence or filings regarding the access rights.

A5
Provide a summary of energy resource assessments completed to date (if any) for the Project and show the calculations on how the electricity output was estimated. Please limit to two pages.

A6
Describe the assumptions and calculations of the expected net average electricity production on a yearly basis. Include calculations for GHG emissions based on displacement of energy sources. As guidance, the Proponent may refer to the GHG emissions per province.

A7
Provide technical characteristics of the project (specification sheets from the technology and power curves) and technical standards met by the technology. For a list of technical standards by technology, please contact the program or your relevant industry association.

A8
Provide a detailed timeline of the Project construction, including milestones and key dates of the construction schedule.

A9
Provide a spreadsheet detailing a breakdown of the expected Project costs by fiscal year (April 1 to March 31) between the period of April 1, 2018 and March 31, 2023. Please identify eligible Project costs and ineligible Project costs (Sections 12 and 13 respectively). Identify sources of funds for the Project.

A10
Complete the attached Life Cycle of Electricity Costs spreadsheet which includes total capital costs as well as average operation and maintenance costs. An example of the spreadsheet is provided in Schedule B and the template is provided in the application package from the program.

A11
Provide a Letter of Intent from any financial partners or an indication that the applicant has the financial capacity to carry out the project.

A12
Provide a list of other sources of government funding (federal, provincial and municipal), if any, and the amount of funding sought and/or approved to date.

A13
Provide detailed information about the status of a Power Purchase Agreement (if required) for the project. Please include any correspondence with the utility or power purchaser regarding the status of the request for a Power Purchase Agreement or other contract.

A14
Provide a list of permits or approvals required for the construction and operation of the project including interconnection. Include a status for each permit.

A15
Provide the planned interconnection and transmission design for the project

A16
Provide a description for the metering plan including the metering authority's name, the location of the meter and the methodology for net electricity measurement.

A17
Provide a list of federal permits (if required), including federal environmental assessment, and the status of each.

A18
Describe any planned or completed engagement with local communities regarding the proposed project and provide letters of support if available.

A19
Describe any regulatory barriers related to the project. Include information on Standing Offer Programs and/or regulation issues specific to the technology of the proposed project.

A20
Provide a list of provincial/territorial environmental authorizations and assessments (not related to a federal environmental assessment) and the status of each.

A21
Provide a detailed description of Indigenous involvement in the project. Indicate any Indigenous Ownership, letters of support, consultations concluded, and/or a list of the Indigenous communities that require consultation as a result of the project.

Life Cycle Electricity Costs (LCEC)

Life Cycle Electricity Costs (LCEC) for projects submitted under the Emerging Renewable Power Program

Estimated Cost of Project

Project Name		**Capacity (MW)**	**Exp. Annual Prod. (GWh)**	**Exp. Cap. Factor**
Technology		50	400	91.3%
		Cost CAD	**Project Lifetime**	
Capital Total Project Costs	Provide total of all expected costs incurred by the developer to build the project from it's design to commissioning, including component costs, permits, substation, labour and construction costs exclusive of funding	$400,000,000	30	
Average Operation and Maintenance Costs per year	Provide undiscounted average annual costs over the lifetime of the project including all labour and material costs as well as annual costs such as land lease and insurance and allowances for periodic repair and replacements of components.	$10,000,000	**O&M Costs per Unit MWh**	**$25.00**

* Information in red is provided only as an example and does not constitute costs of a real project.

Calculations	**Total Costs over lifetime of Project**	**$700,000,000**	**LCEC: $/MWh**	**$58.33**

Once this form is filled, the information provided will be protected and may be used only in aggregated format

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